IN THE CLAIMS

Pursuant to 37 CFR §121(c), the claim listing, including the text of the claims, will serve to replace all prior versions of the claims, in the application.

Please amend claims 1 thru 10 and 12 thru 17 as follows:

1. (Currently Amended) A wireless network system capable of tracking a location of a mobile station, comprising:

a visitor location register in which location information relating to a wireless network location of a mobile station is stored; and

a base station controller for storing the location information relating to [[a]] the wireless network location of [[a]] the mobile station in said visitor location register when the mobile station registers its location with said wireless network, and for confirming a location of the mobile station by dummy paging and updating the location information stored in said visitor location register when the mobile station keeps up an idle state during a certain period.

2. (Currently Amended) A private wireless network system capable of tracking a location of a mobile station, comprising:

at least one repeater dispersedly installed in sector zones of a private base transceiver station;

a visitor location register in which location information relating to a private wireless network location of a mobile station is stored, the location information including at least one of a private base transceiver station number, a sector number and a repeater

8 number; and

9 a private base station controller <u>for</u> storing <u>the</u> location information relating to

10 [[a]] <u>the</u> private wireless network location of [[a]] <u>the</u> mobile station in said visitor

11 location register when the mobile station registers its location with said private wireless

12 network, and <u>for</u> confirming [[a]] <u>the</u> location of the mobile station by dummy paging and

13 updating the location information stored in said visitor location register when the mobile

14 station keeps up an idle state during a certain period.

1 3. (Currently Amended) A private wireless network system capable of tracking a

2 location of a mobile station, comprising:

3 a plurality of repeaters dispersedly installed in sector zones of a private base

4 transceiver station;

5 a visitor location register in which location information relating to a private

6 wireless network location of a mobile station is stored, the location information including

7 at least one of a private base transceiver station number, a sector number and a repeater

8 number;

9 a private base station controller <u>for</u> storing <u>the</u> location information relating to

10 [[a]] <u>the</u> private wireless network location of [[a]] <u>the</u> mobile station in said visitor

11 location register when the mobile station registers its location with said private wireless

12 network, and <u>for</u> confirming a location of the mobile station by dummy paging and

13 updating the location information stored in said visitor location register when the mobile

14 station keeps up an idle state during a certain period; and

15 a server <u>for</u> inquiring about the location information of the mobile station stored in

16 said visitor location register.

4. (Currently Amended) A method for tracking a location of a mobile station in a wireless network, comprising the steps of:

storing, by a base station controller, location information relating to a wireless network location of a mobile station in a visitor location register when the mobile station registers its location with said wireless network;

confirming, by the base station controller, a location of the mobile station by dummy paging when the mobile station keeps up an idle state during a certain period; and

updating the location information stored in said visitor location register using information corresponding to the confirmed location information of the mobile station.

5. (Currently Amended) The method according to claim 4, wherein the location information includes at least one of a base transceiver station number, a sector number and a repeater number.

6. (Currently Amended) In a private wireless network including a visitor location register in which location information of a mobile station is stored, a method for tracking a location of [[a]] the mobile station, comprising the steps of:

storing, by a private base station controller of said private wireless network, location information relating to a private wireless network location of [[a]] the mobile station in said visitor location register when the mobile station registers its location with said private wireless network;

confirming, by said private base station controller, [[a]] the location of the mobile station by dummy paging when the mobile station keeps up an idle state during a certain

10 period; and

11 updating the location information stored in said visitor location register using

12 <u>information corresponding to</u> the confirmed location ~~information~~ of the mobile station.

1 7. (Currently Amended) The method according to claim 6, <u>wherein</u> the location

2 information includes at least one of a private base transceiver station number, a sector

3 number and a repeater number.

1 8. (Currently Amended) In a private wireless network including at least one

2 repeater dispersedly installed in sector zones of a private base transceiver station and a

3 visitor location register in which location information of a mobile station is stored, a

4 method for tracking a location of [[a]] <u>the</u> mobile station, comprising <u>the steps of</u>:

5 storing, by a private base station controller of said private wireless network, <u>the</u>

6 location information of [[a]] <u>the</u> mobile station in said visitor location register when the

7 mobile station registers its location with said private wireless network, the location

8 information including at least one of a private base transceiver station number, a sector

9 number and a repeater number with respect to the ~~relevant~~ mobile station;

10 confirming, by said private base station controller, [[a]] <u>the</u> location of the mobile

11 station by dummy paging when the mobile station keeps up an idle state during a certain

12 period; and

13 updating the location information stored in said visitor location register using

14 <u>information corresponding to</u> the confirmed location ~~information~~ of the mobile station.

1 9. (Currently Amended) In a private wireless network including a visitor location

register and a server representing location information of a mobile station, a method for tracking a location of a mobile station, comprising the steps of:

storing, by a private base station controller of said private wireless network, location information relating to a private wireless network location of [[a]] the mobile station in said visitor location register when the mobile station registers its location with said private wireless network;

confirming, by said private base station controller, [[a]] the location of the mobile station by dummy paging when the mobile station keeps up an idle state during a certain period;

updating the location information stored in said visitor location register using information corresponding to the confirmed location information of the mobile station; and

transmitting, by said private base station controller, the location information of the mobile station to said server when the location information of the mobile station is stored in said visitor location register.

10. (Currently Amended) A method for tracking a location of a subscriber mobile station, comprising the steps of:

storing location information when [[a]] the subscriber mobile station executes location registration, the location information including a private base transceiver station number, a sector number and a repeater number with respect to the relevant subscriber mobile station;

periodically transmitting, to a server, a message requesting an inquiry message about a mobile station subscriber's state to a server of the subscriber mobile station;

9   requesting, by the server, a private base station controller to ~~inquire out~~ access

10   location information stored in a visitor location register in response to the inquiry

11   message;

12   transmitting, by the private base station controller, location information stored in

13   [[a]] the visitor location register to [[a]] the server in response to the ~~server's request~~

14   requesting by the server;

15   transmitting, by the server, the location information received from said private

16   base station controller to [[the]] a client;

17   receiving, by the client, the location information from said server, and providing a

18   user with a location and a state of a mobile station according to the received location

19   information; and

20   confirming, by the base station controller, [[a]] the location and the state of [[a]]

21   the subscriber mobile station by dummy paging and updating [[its]] the location

22   information of said visitor location register when the ~~relevant~~ mobile station keeps up an

23   idle state during a certain period, and then transmitting the updated location information

24   to said server.

Claim 11. (Cancelled)

1   12.   (Currently Amended) A method for tracking a location of a subscriber,

2   comprising the steps of:

3   storing location information when a mobile station executes location registration,

4   the location information including a private base transceiver station number, a sector

5   number and a repeater number with respect to the ~~relevant~~ mobile station;

6   ~~appointing~~ <u>designating</u> a ~~specific~~ <u>subscriber</u> mobile station, and requesting a client

7   to inquire about <u>a state of</u> the ~~specific~~ <u>subscriber</u> mobile station ~~subscriber's state~~, [[and]]

8   the client transmitting a message inquiring about the ~~specific~~ <u>state of the subscriber</u>

9   mobile station ~~subscriber's state~~ to a server in response to ~~the user's~~ <u>a</u> request <u>by a user</u>;

10   requesting a private base station controller to confirm a location and <u>the</u> state of

11   the ~~specific~~ <u>subscriber</u> mobile station in response to the ~~client's~~ message <u>transmitted by</u>

12   <u>the client</u>; and

13   confirming<u>, by the private base station controller,</u> the location and the state of the

14   ~~specific~~ <u>subscriber</u> mobile station by dummy paging, updating location information

15   stored in a visitor location register, and transmitting<u>, by the private base station</u>

16   <u>controller,</u> the updated location information to said server in response to ~~said server's~~ <u>a</u>

17   request <u>by the server</u>.

1   13. (Currently Amended) The method according to claim 12, further comprising

2   <u>the steps</u> of:

3   transmitting<u>, to the client,</u> the location information ~~received from~~ <u>transmitted by</u>

4   said private base station controller ~~to the client~~; and

5   receiving<u>, by the client,</u> [[the]] location information [[from]] <u>transmitted by</u> said

6   server, and providing a user with [[a]] <u>the</u> location and <u>the</u> state of the ~~specific~~ <u>subscriber</u>

7   mobile station according to the received location information.

1   14. (Currently Amended) The method according to claim 10, further ~~comprised~~

2   <u>comprising the step</u> of transmitting <u>the</u> location information stored in said visitor location

3   register directly to the server, remote from the visitor location register, in response to the

4   ~~server's request~~ <u>requesting by the server</u>.

1   15. (Currently Amended) The private wireless network system of claim 3, [[with]]

2   said server being connected to said <u>private</u> base station controller through a local area

3   network<u>,</u> and [[the]] <u>a</u> plurality of repeaters being connected to the private base

4   transceiver station, [[with]] the private base transceiver station being connected to said

5   private base station controller.

1   16. (Currently Amended) The private wireless network system of claim 15, further

2   comprising a client [[being]] <u>which is</u> informed of the location information [[from]] <u>by</u>

3   said server, [[with]] said client being connected to said server, said server not

4   accommodating [[the]] <u>a</u> communication link between mobile stations.

1   17. (Currently Amended) The method of claim 13, [[with]] said client being

2   connected to said server, said server being connected to said <u>private</u> base station

3   controller through a certain network<u>,</u> and a plurality of repeaters being connected to the

4   private base transceiver station, [[with]] the private base transceiver station being

5   connected to said private base station controller.